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HONOR AWARDS CONVOCATION

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COLLEGE OF ENGINEERING

UNIVERSITY OF ILLINOIS
AT URBANA - CHAMPAIGN

MAY 5, 1972

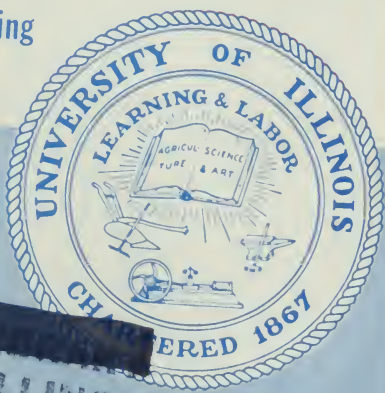
The Library of the

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Recognition of Outstanding Students

University of Illinois
at Urbana-Champaign

in the College of Engineering



[REDACTED]
UNIVERSITY OF ILLINOIS
URBANA, ILLINOIS 61801

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1972

UNIVERSITY HONORS: THE BRONZE TABLET

The following students in the College of Engineering were awarded University Honors in February 1972 or are to be awarded University Honors in June 1972. As a general rule, they have ranked in the upper three percent of all the students in the College in their cumulative grade-point average based on credits earned at the University. Annually these names are inscribed on the Bronze Tablet which hangs permanently in the University Library.

Harry G. Davis
Carole T. Forsberg
George W. Graham
William C. Horak
Louis J. Mancini
Robert A. Marshalla
Gregory C. Novak

Patrick G. Rausch
Larry W. Rauser
Richard C. Reed
Ronald W. Schneider
Richard N. Talmadge
Albert V. Toy
Jack P. Trautman

Pramod K. Varshney

DEGREES AWARDED WITH HIGHEST HONORS

FEBRUARY 1972

Allen W. Bettner
Robert W. Bloemer
James L. Daugherty
Carl L. Eggerding
Carole T. Forsberg
Michael S. Franklin
John V. Phillips

Richard C. Reed
David R. Schneider
Ronald D. Shewmaker
Gerald A. Strahl
Kenneth C. Sutton
Albert V. Toy
Pramad K. Varshney

DEGREES AWARDED WITH HIGH HONORS

FEBRUARY 1972

James S. Benten
Thomas R. Buschbach
Gerald J. Butler
Stephen L. Erickson
Carl J. Greenwald
Thomas B. Haar
Lawrence C. Hollatz
Joseph H. Kilar
Philip J. Lane

George J. Licina
Gregory A. Mason
William E. Nelson
Gary A. Roediger
Ernest A. Sammann
Galen W. Stanley
Gary E. Thoman
Kai Sin Wong
William W. Wuellner

DEGREES AWARDED WITH HONORS

FEBRUARY 1972

James B. Blandford
Paul T. Goodapple

Terrence R. Phelan
David D. Stasinski

David R. Halley
Ken E. Peck

David W. Williams
Doris I. Willmer

DEGREES AWARDED WITH HIGH HONORS

OCTOBER 1971

Dennis D. Niehoff

Stephen A. Sutton

DEGREES AWARDED WITH HIGHEST HONORS

AUGUST 1971

Larry V. Best

Rocco Gibala

DEGREES AWARDED WITH HIGH HONORS

AUGUST 1971

Michael F. Berger
Timothy L. Crawford
John L. Klecker

Russell C. McKown
Kirk A. Snodgrass
Terry L. Staltz

DEGREES AWARDED WITH HONORS

AUGUST 1971

Wilbur C. Greer

George D. Voss

Sidney V. Kaiser

DEGREES AWARDED WITH HIGHEST HONORS

JUNE 1971

Michael Alpern
Donald W. Anderson
Robert B. Arthur
Wai K. Chan
Patrick J. Chesley
Kim F. Fuller
Roger F. Hoyt
Bruce A. Huber
David C. James
Robert M. Jecmen
Dale R. Jurich
Charles A. Klein
Norman L. Klocke
David R. Lancaster

Wing K. Liu
John C. Lowe
Edward D. Nowak
Craig A. Olsen
Larry T. O'Ravis
David M. Parks
Rodney W. Rieger
Frederick Schottman
Ronald W. Steffen
William J. Sudlow
Franklin D. Ubell
Michael C. Weishar
Gary A. Wilken
Donald E. Wilson

DEGREES AWARDED WITH HIGH HONORS

JUNE 1971

Robert L. Baechle
Richard L. Bergstrom
Craig N. Burson
Tatyin B. Choi
Ernest V. Clements II
Anthony L. Debates
Henry J. Dresch
William T. Ellis
Rod Erin
William T. Evans
Donald M. Field
Michael C. Frett
Daniel P. Frykman
Daniel T. Gallagher

Gary J. Jurkin
Robert C. Kahn
Jim T. Kesaris
Edward V. McGuire
James L. Meara
Robert E. Morey
Steve R. Mueller
Larry E. Nazimek
Richard W. Pieper
Paul W. Pope
Philip C. Rockenback
James E. Rose
James H. Scherffius
Roger M. Schiavoni

Ernest L. Gibson
John J. Hainaut
Richard N. Hochschild
Gregory Holland
Dennis R. Howland
Michael M. Imanaka
Martin J. Johnson

Robert L. Spilker
William T. Trojan
Mark E. Turek
William C. Wagner
Jay J. Wait
Kuo Yen Wen
Andrew B. White

William F. Zavcho

DEGREES AWARDED WITH HONORS

JUNE 1971

Glen C. Coberly
Chou J. Englund
Max L. Frailey
Thomas J. Freund
Ronald E. Fritz
Michael W. Harrison
Jerry M. Kitchen

Charles P. Knell
Richard A. Kosciak
Robert G. Kraker
Dean A. Leffingwell
Richard C. Murray
Dennis J. Shaw
David E. Trachtenbarg

Mitchell Wunderlich

DEPARTMENTAL STUDENT PRIZES AND AWARDS

In addition to the awards of the College of Engineering, several departments of the College have their own awards. Some, like the Barker Award in Civil Engineering, are of long standing. All are a source of pride to the department and of honor and prestige to the recipient. Departmental awards are presented at different times throughout the year and come from widely varying sources. Funds have been created as memorials to departed faculty and students, to recognize outstanding achievement and scholastic ability and to encourage interest and effort in a particular research area or industry. The funds are supported by donations from friends and relatives of the one being memorialized, from friends of the University, from industry, and from alumni.

AIR CONDITIONING, REFRIGERATION, AND HEATING AWARD Mechanical and Industrial Engineering

The Air Conditioning, Heating, and Ventilating magazine awards the Handbook of Air Conditioning, Heating, and Ventilating to a senior who has displayed outstanding interest and proficiency in the area of environmental control. The selection is made by the faculty, and the recipient's name is placed on a plaque located in the Mechanical Engineering Building, and a certificate is given to each winner.

Award Recipient: Donald C. Langley

AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS AWARDS

A two-year technical membership in the American Institute of Aeronautics and Astronautics is awarded to the graduating aeronautical and astronautical engineering senior with the highest scholastic average, and a two-year technical membership in the Institute is awarded to the graduating aeronautical and astronautical engineering senior for the best seminar paper delivered before the student or-

ganization. The winner of the latter is determined by the vote of the organization.

Award Recipients: Gary A. Roediger
William C. Horak

AMERICAN INSTITUTE OF INDUSTRIAL ENGINEERS AWARD

The Land of Lincoln chapter (senior chapter) of the American Institute of Industrial Engineers awards a plaque each spring to the outstanding industrial engineering student. Selection of the recipient is based on the recommendation of the faculty and liaison senior member. Scholastic standing, active membership in the student chapter of the American Institute of Industrial Engineers, and other extracurricular activities are considered by the judges in making this award.

Award Recipient: David J. Knapp

AMERICAN SOCIETY OF AGRICULTURAL ENGINEERS HONORS AWARDS

Honor Award Keys of the American Society of Agricultural Engineers are given to junior and senior students in the professional curricula who are members of the student branch and who have demonstrated high scholastic ability while participating in professional societies, student government, and other organizations. One award is granted for each twenty-five members of the student branch society.

Award Recipients: Ronald W. Schneider
Joseph A. Teijido

CHICAGO CHAPTER OF THE AMERICAN SOCIETY OF AGRICULTURAL ENGINEERS HONORED MEMBER SCHOLARSHIP AWARD

An award of \$100 is made annually in the name of an honored member

of the Chicago Chapter of the American Society of Agricultural Engineers to a sophomore or junior student enrolled in agricultural engineering. The winner's name and the name of the honored member are engraved on a plaque located in the Agricultural Engineering Building. The student to receive the award is chosen by the honored member and the executive committee of the Chicago Chapter from a slate of three students submitted by the Agricultural Engineering Department Awards Committee. The basis of the award is financial need, extracurricular activities, excellence of scholarship, and character. No student may receive the award more than once.

Award Recipient: Ronald L. Elliott

AMERICAN SOCIETY OF CIVIL ENGINEERS AWARDS

The awards consist of dues for the first year for associate membership in the American Society of Civil Engineers, an associate member's badge, and a certificate. The Central Illinois Section presents awards in April to three graduating civil engineering students selected from the graduating classes of February, June, and August of the current year. Students are selected who have attained high scholarship and who have been active in promoting the affairs of the student chapter at the University.

Award Recipients: Randolph M. Freeman
Martin G. Buehler
Gary L. Ebersole

AMERICAN SOCIETY OF MECHANICAL ENGINEERS PRIZES

This society offers annually five prizes of \$10 to \$50 for the best papers prepared by senior student members of the society as judged in regional competitions. This society also offers annually five prizes of \$25 to \$200 to the students preparing the best papers on a selected topic in a nationally conducted competition. The student branch of the society awards a merit certificate to a student for

outstanding service to the society and also to all students participating in the regional competition.

Award Recipient: Richard M. Woo

IRA O. BAKER PRIZES

Civil Engineering

Dr. Ira O. Baker, late Professor of Civil Engineering and Head of the Department, 1878-1915, endowed two prizes for the two top-ranking senior students in civil engineering. These awards, presented each spring and amounting to \$100 and \$50, respectively, are based primarily on excellence of scholarship and secondarily on personal qualities and professional activity. The names of the winners in each year are placed on a bronze tablet located near the office of the Department of Civil Engineering, and a special certificate is given to each winner.

Award Recipients: Richard C. Reed
Carole T. Forsberg

ETA KAPPA NU AWARD

Electrical Engineering

The University of Illinois chapter (Alpha) of Eta Kappa Nu, national honorary fraternity, selects and recognizes the most outstanding senior electrical engineer each year. The selectee's name is engraved on a wall plaque for permanent display in the Electrical Engineering Building, and an engineering handbook is awarded.

Award Recipients: Allen W. Bettner
Michael VanBlaricum

EDWARD S. FRASER AWARD

General Engineering

A fund has been established in the University of Illinois Foundation by Edward S. Fraser, Civil Engineering, Class of 1939. The income from this fund is used for an annual award of \$100 to an outstanding graduating senior in general engineering. The award is based on high scholarship and participation in University activities. The names of the winners each year are placed on a bronze plaque located in the Transportation Building, and an inscribed plaque is given to each winner.

Award Recipient: Louis J. Mancini

GENERAL ENGINEERING PROJECT DESIGN AWARD

This award was established by the Department of General Engineering in 1969. Gifts from faculty and alumni of the department provide funds to make an award of \$25 and a certificate to each member of the design team in the senior course General Engineering 242, Project Design, whose design project has been judged by the department design faculty to be the most outstanding in each calendar year. In selecting the winning project, the judges recognize outstanding excellence in the development of a creative solution for a complex original engineering problem. The award is presented at the annual student-faculty spring banquet. The names of the winners are inscribed on a plaque that is located in the General Engineering Design Room in the Transportation Building.

Award Recipients: Lawrence W. Hindle
John M. Munson

RANDOLPH P. HOELSCHER AWARD

General Engineering

This award was established by the Department of General Engineering

in 1968 to honor Randolph R. Hoelscher, Professor of General Engineering and Head of the Department, from 1918 to 1959, by gifts from faculty and alumni of the department. The award, consisting of a certificate and \$75, is presented each spring to the outstanding junior general engineering student in recognition of scholarship, leadership promise, activities, including the Illinois Society of General Engineers, and cultural development. The names of the winners each year are placed on a plaque located in the Transportation Building.

Award Recipient: Robert J. Novaria

E. W. LEHMANN AWARD

Agricultural Engineering

This award was established to honor E. W. Lehmann, Professor of Agricultural Engineering and Head of the Department, 1921-1955. A cash award is presented each spring to a student in agricultural engineering, and is based on excellence of scholarship, personal qualities, and professional activity.

Award Recipients: Dean L. Bogner
Benjamin L. Schmidt
Ronald W. Schneider
Earl H. Williams

O. A. LEUTWILER AWARD

Mechanical and Industrial Engineering

In honor of O. A. Leutwiler, Professor of Mechanical Engineering and Head of the Department, 1934-1945, funds have been made available for an annual award of \$50 to a senior student in mechanical or industrial engineering. The award is based on scholarship, personal qualities, and professional and cultural activities. The names of the winners each year are placed on a plaque located in the Mechan-

cal Engineering Building, and a certificate is given to each winner.

Award Recipients: Marvin G. Leman
Willis F. Younker

MACHINERY AWARD

Mechanical and Industrial Engineering

The Machinery magazine awards a machinery handbook and a subscription to Machinery magazine to a senior who has displayed outstanding interest and proficiency in the area of machine design. The selection is made by the machine design faculty. The recipient's name is placed on a plaque located in the Mechanical Engineering Building and a certificate is awarded.

Award Recipient: Benjamin M. Witte

H. L. MARCUS - L. B. PHILLIPS AWARD

General Engineering

This award was established by Michael Phillips, General Engineering, Class of 1963, and his wife, Judith Ann (Marcus) Phillips, in honor of their fathers who, like other fathers, have been the inspiration of their sons and daughters throughout their college years. A prize award of \$100 is given annually to an outstanding senior in general engineering in recognition of scholarship, character, and activities. The names of the winners each year are placed on a bronze plaque located in the Transportation Building, and an inscribed plaque is given to each winner.

Award Recipient: Frank J. Fronczak, Jr.

MUELLER COMPANY AWARD

Mechanical and Industrial Engineering

This award is given to an outstanding junior in mechanical engineering and consists of a small plaque and a check.

Award Recipient: David L. Frederickson

PI TAU SIGMA AWARD

Mechanical and Industrial Engineering

The University of Illinois Alpha chapter of Pi Tau Sigma, national mechanical engineering honorary fraternity, selects and recognizes the most outstanding sophomore in mechanical engineering each year. The recipient's name is placed on a plaque located in the Mechanical Engineering Building, and an engineering handbook and a certificate are awarded.

Award Recipient: Thomas R. Roose

W. H. RAYNER SURVEYING AWARD

Civil Engineering

This award was established in 1960 to honor William H. Rayner, Professor of Civil Engineering, Emeritus, by gifts of money from the Society of Professional Land Surveyors and the Illinois Registered Land Surveyors Association. The award, consisting of a certificate and \$30, is presented each spring to a student in civil engineering who has completed the required courses in surveying and has demonstrated an interest in surveying by enrollment in elective courses, by employment part time during the school year or during summers, or by the preparation of technical papers dealing with surveying.

Overall scholarship and grades in the surveying courses are also considered in the selection of the winner.

Award Recipient: Michael E. Farrell

ERNEST A. REID OPEN HOUSE AWARD

Electrical Engineering

This award was established in 1967 to honor Ernest A. Reid, Professor of Electrical Engineering, and is endowed by gifts from his associates and friends. A \$25 award is given to the electrical engineering student who creates the best new Engineering Open House project.

Award Recipients: John R. Frus
Lincoln M. Little

FRED B. SEELY AWARD

Theoretical and Applied Mechanics

In honor of Fred B. Seely, Professor of Theoretical and Applied Mechanics, Emeritus, and Head of the Department, 1934-1952, funds were established in 1960 for an annual award of \$100 to a senior student in engineering mechanics. The award is based on scholarship, personal qualities, and professional and cultural activities. Certificates of award are given to the recipients and their names are placed on the bronze plaque located in Talbot Laboratory.

Award Recipient: William F. Beltz

A.L. THOMAS AWARD

Civil Engineering

This award is presented each spring to the junior in civil engineer-

ing having the highest academic average for the third, fourth, and fifth semesters of work completed at the University of Illinois. This award was endowed by Alfred Benesch and Associates, Consulting Engineers, Chicago, Illinois, in memory of their late partner, A. L. Thomas. The award consists of a certificate and \$35.

Award Recipients: John L. Hartwig
Mark A. Hollingshead

ENGINEERING HONORARY SOCIETY INITIATES

All-Engineering Societies

SIGMA TAU

FALL 1971

David A. Beck
Donald M. Bitz
Richard L. Brown
John J. Brull
Arthur W. Buehring
Richard A. Chan
Michael J. Clemens
Thomas L. Cooling
Ronald L. Elliott
Kenneth W. Fiduk, Jr.
Rodger D. Fildes
Richard W. Forbes
Harvey L. Fritch
Theodore Guy
Timothy A. Harrington
Robert A. Hedeem
Robert M. Kipp
Mark A. Koelling
Daniel J. Kohnen
Timothy D. Laren

James N. Gleason
Michael L. Leonard
Walter E. Lohmann
Stephen J. Martinek
Michael D. McCoy
Dan E. Muehlenbein
Corwin E. Oldweiler
James P. Pearson
John D. Schutte
Kim E. Seeber
Paul S. Skager
Susan D. Smith
Frank P. Stejskal
Jack P. Trautman
John S. Weinberg
Gerald C. Werner
John R. Weyrauch
David Willenborg
David W. Williams
Peter H. Wolf

TAU BETA PI

FALL 1971

John J. Brull
Michael J. Clemens
Charles H. Folkerts
Howard P. Honson
Randolph L. Hopp

Robert A. Page
Robert A. Ruby
Jack P. Trautman
Jacob W. Ulvila
Allen L. Van Hoozen

William M. C. Leone
Erick W. Mordstrom

John R. Weyrauch
David W. Williams
Donald Woferd, Jr.

Departmental Honorary Societies

ALPHA EPSILON

Agricultural Engineering

FALL 1971

Melvin H. Buescher
David B. Burgener
Ronald L. Elliott
John M. Flenniken
Robert E. Hefner

William C. Heimann
Paul C. Johnson
Paul J. Klazura
Carl W. Winters
Julian E. Wubben

SPRING 1972

John L. Jeschke

Alan L. Schweigert

Gerald C. Misener

ALPHA SIGMA MU

Metallurgy and Mining Engineering

FALL 1971 and SPRING 1972

Frederick Brotherson
Patrick O. Capp

Edward P. Cox
Lawrence L. Kastelic
Dennis C. Niemeyer

CHI EPSILON

Civil Engineering

FALL 1971

Robert J. Andres
Thomas R. Begley
Martin G. Buehler
Michael A. Burson
Thomas L. Cooling
James E. Furlan
Philip A. Gazda
Richard A. Guinn
James A. Hanlon
Keith R. Johnson
Charles J. Kanapicki
Robert J. Lauf

Roger P. LeDuc
Michael R. Little
Brad A. Marion
Dana G. Meier
John S. Mifflin
James E. Niestrad
Corwin E. Oldweiler
Donald N. Ruehrwein
Ralph E. Sauthoff
Thomas J. Schaeffer
Kim E. Seeber
Grant W. Shaw

SPRING 1972

Charles Barenfanger
James L. Bloomquist
John L. Hartwig
Mark A. Hollingshead
Mark A. Koelling
Jeffry E. Lamb

Michael E. Musial
Fred N. Ranck
James F. Schmudde
Paul S. Skager
James W. Smith
Nicholas Stramandi

Josef J. Udvari

ETA KAPPA NU

Electrical Engineering

FALL 1971

John J. Allemong
Sanford B. Baran
Richard Brown
Kenneth J. Carroll
James J. Coleman
David C. Denney
Kenneth W. Fiduk
Charles H. Folkerts
Joseph G. Gibes

Peter K. N. Mak
James Mueller
Richard A. Nagel
Peter J. Nordstrom
Robert Ruby
John W. Schmidt
John D. Shutte
Michael Streitmatter
Jack P. Trantman

Jeffrey S. Glick
Carl Greenwald
William N. C. Leang
Michael Ludowise

Kum-Suem Tse
Jacob W. Ulvila
Paul A. Whittaker
Douglass O. Wilner

Kenneth Wroblewski

SPRING 1972

Michael J. DuDash
John F. Ehrgott
Dennis J. Fajfar
Richard Harris
Steven J. Kaminski
Robert N. Keasler
Courtney E. Krehbiel
Gerald P. Labedz

Richard Pleniewicz
Susan D. Smith
Maureen C. Stone
Mark E. Tolliver
Park D. Waldrop
Charles A. Whitley
Scott E. Woodard
James E. Yedinak

GAMMA EPSILON General Engineering SPRING 1972

Gregory P. Boysen
Daniel M. Burke
Robert B. Burns, Jr.
Paul D. Capponi
Michael D. Clary
Patrick L. Daum
Richard A. Doty
Robert C. Edstrom
David L. Hagen

Thomas L. Koehler
Kenneth M. Kravitz
Robert J. Novaria
Joseph J. Sarmiento
Wayne P. Siems
Terry N. Snyder
James A. Sullivan
Jerry A. Wagner
Ralph J. Wagner

James H. Wildemuth

PI TAU SIGMA Mechanical and Industrial Engineering FALL 1971

Kenneth L. Boekhaus

Bruce A. Johnson

Alan R. Christ
Edward A. Crylen
David L. Frederickson
Robert W. Gallagher
John P. Goetzmann
Robert A. Hedeon
Jerry D. Hendricks
John A. Houkom

William E. Leden
Robert J. Moravec
Stephen Plesh
David J. Purdy
Robert W. Roepke
Gary G. Smith
Randall G. Sommer
John S. Weinberg

SIGMA GAMMA TAU

Aeronautical and Astronautical Engineering

FALL 1971

Terrence A. Cabay
Michael J. Clemens
Daniel H. Else III
William C. Haub

John L. Krazinski
Mark R. Lawson
Margaret M. O'Reilly
James P. Pearson

Robert J. Salm

KNIGHTS OF ST. PAT

The Knights of St. Pat award seeks to recognize and honor those students involved in engineering activities, such as technical societies, Engineering Council, and Engineering Open House, which contribute to the engineering profession, the University, and the College. Also, character, leadership qualities, and professional attitude play a significant role in the selection of a Knight. Students are nominated for the award by an engineering society, engineering department, or the College. The honor is named for the patron saint of engineers, St. Patrick, and was first given in 1950. The award of honorary faculty Knight was first given in 1958; the recipient is selected by the Knights-elect.

Albert J. Aikus
General Engineering
Sammy L. Anderson
General Engineering
Steven K. Denny
Electrical Engineering
Ronald L. Elliott
Agricultural Engineering
Randolph M. Freeman
Civil Engineering
Karen S. Kerans
Aeronautical and Astro-
nautical Engineering
Charles W. Ruth
Civil Engineering

Joseph E. Zanon
Mechanical and Indus-
trial Engineering

Joseph J. Sarmiento
General Engineering
Ronald W. Schneider
Agricultural Engineering
Joseph A. Teijido
Agricultural Engineering
Michael L. VanBlaricum
Electrical Engineering
John M. Warren
General Engineering
Earl H. Williams
Agricultural Engineering
Willis F. Younker
Mechanical and Indus-
trial Engineering

Honorary Faculty Knight: Robert W. Bokenkamp, Assistant Dean,
College of Engineering





UNIVERSITY OF ILLINOIS-URBANA

C. IZE3EH C001 1972

Honor awards convocation College of En



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